

US EPA ARCHIVE DOCUMENT

Evaluation of TCLP Data Provided By Horsehead and INMETCO (mg/L)
 -- Calculation of TS (Minus Statistical Outliers)

Samples	Waste	Antimony		Arsenic		Barium		Beryllium		Cadmium					
		Treated	(LN)	Treated	(LN)	Treated	(LN)	Treated	(LN)	Treated	(LN)				
1	HRD	0.21	-1.5606	<	0.02	-3.9120	1.76	0.5653	<	0.001	-6.9078	<	0.02	-3.9120	
2	HRD	0.01	-4.6052	<	0.02	-3.9120	1.6	0.4700	<	0.001	-6.9078	<	0.02	-3.9120	
3	HRD	<	0.1	-2.3026	<	0.02	-3.9120			<	0.001	-6.9078	<	0.02	-3.9120
4	HRD	<	0.01	-4.6052	<	0.02	-3.9120	0.58	-0.5447	<	0.001	-6.9078	<	0.02	-3.9120
5	HRD	0.01	-4.6052	<	0.02	-3.9120	0.55	-0.5978	<	0.001	-6.9078	<	0.02	-3.9120	
6	HRD	0.13	-2.0402	<	0.02	-3.9120	2.05	0.7178	<	0.001	-6.9078	<	0.02	-3.9120	
7	HRD	<	0.1	-2.3026	<	0.02	-3.9120	1.52	0.4187	<	0.001	-6.9078	<	0.02	-3.9120
8	HRD	<	0.01	-4.6052	<	0.02	-3.9120	0.4	-0.9163	<	0.001	-6.9078	<	0.02	-3.9120
9	HRD	<	0.01	-4.6052	<	0.02	-3.9120	0.64	-0.4463	<	0.001	-6.9078	<	0.02	-3.9120
10	HRD	<	0.1	-2.3026	<	0.02	-3.9120	1.52	0.4187	<	0.001	-6.9078	<	0.02	-3.9120
11	HRD	0.13	-2.0402	<	0.02	-3.9120	1.63	0.4886	<	0.001	-6.9078	<	0.02	-3.9120	
12	HRD	<	0.1	-2.3026	<	0.02	-3.9120	0.86	-0.1508	<	0.001	-6.9078	<	0.02	-3.9120
13	HRD	<	0.1	-2.3026	<	0.02	-3.9120	0.69	-0.3711	<	0.001	-6.9078	<	0.02	-3.9120
14	HRD	0.18	-1.7148				1.34	0.2927		0.004	-5.5215	<	0.02	-3.9120	
15	HRD	<	0.01	-4.6052	<	0.02	-3.9120			<	0.001	-6.9078	<	0.02	-3.9120
16	HRD	<	0.01	-4.6052	<	0.02	-3.9120	1.53	0.4253	<	0.001	-6.9078	<	0.02	-3.9120
17	HRD	0.02	-3.9120	<	0.02	-3.9120	0.38	-0.9676	<	0.001	-6.9078	<	0.02	-3.9120	
18	HRD	<	0.01	-4.6052	<	0.02	-3.9120	0.45	-0.7985	<	0.001	-6.9078	<	0.02	-3.9120
19	HRD	0.11	-2.2073	<	0.02	-3.9120	2.13	0.7561	<	0.001	-6.9078	<	0.02	-3.9120	
20	HRD	<	0.1	-2.3026	<	0.02	-3.9120	0.98	-0.0202	<	0.001	-6.9078	<	0.02	-3.9120
21	HRD	0.23	-1.4697	<	0.03	-3.5066	1.75	0.5596	<	0.001	-6.9078	<	0.02	-3.9120	
22	HRD	0.12	-2.1203	<	0.02	-3.9120	4.94	1.5974	<	0.001	-6.9078	<	0.02	-3.9120	
23	HRD	0.01	-4.6052	<	0.02	-3.9120	1.39	0.3293	<	0.001	-6.9078	<	0.02	-3.9120	
24	HRD	<	0.1	-2.3026	<	0.02	-3.9120	2.67	0.9821	<	0.001	-6.9078	<	0.02	-3.9120
25	HRD	<	0.1	-2.3026	<	0.02	-3.9120	1.99	0.6881	<	0.001	-6.9078	<	0.02	-3.9120
26	HRD	0.25	-1.3863	<	0.02	-3.9120	1.65	0.5008	<	0.001	-6.9078	<	0.02	-3.9120	
27	HRD	<	0.1	-2.3026	<	0.02	-3.9120	2.84	1.0438	<	0.001	-6.9078	<	0.02	-3.9120
28	HRD	0.21	-1.5606	<	0.02	-3.9120	2.2	0.7885	<	0.001	-6.9078	<	0.02	-3.9120	
29	HRD	<	0.1	-2.3026	<	0.02	-3.9120	0.92	-0.0834	<	0.001	-6.9078	<	0.02	-3.9120
30	HRD	<	0.1	-2.3026	<	0.02	-3.9120	0.62	-0.4780	<	0.001	-6.9078	<	0.02	-3.9120
31	HRD	<	0.01	-4.6052	<	0.02	-3.9120	1.94	0.6627	<	0.001	-6.9078	<	0.02	-3.9120
32	HRD	<	0.1	-2.3026	<	0.02	-3.9120	2.12	0.7514	<	0.001	-6.9078	<	0.02	-3.9120
33	HRD	<	0.01	-4.6052	<	0.02	-3.9120	0.5	-0.6931	<	0.001	-6.9078	<	0.02	-3.9120
34	HRD	<	0.1	-2.3026	<	0.02	-3.9120	1.66	0.5068	<	0.001	-6.9078	<	0.02	-3.9120
35	HRD	0.12	-2.1203	<	0.02	-3.9120	1.74	0.5539	<	0.001	-6.9078	<	0.02	-3.9120	
36	HRD	<	0.01	-4.6052	<	0.02	-3.9120	1.61	0.4762	<	0.001	-6.9078	<	0.02	-3.9120
37	HRD	<	0.1	-2.3026	<	0.02	-3.9120	0.29	-1.2379	<	0.001	-6.9078	<	0.02	-3.9120
38	HRD	<	0.1	-2.3026	<	0.02	-3.9120	1.35	0.3001	<	0.001	-6.9078	<	0.02	-3.9120
39	HRD	<	0.01	-4.6052	<	0.02	-3.9120	2.39	0.8713	<	0.001	-6.9078	<	0.02	-3.9120
40	HRD	0.01	-4.6052	<	0.02	-3.9120	0.5	-0.6931	<	0.001	-6.9078	<	0.02	-3.9120	
41	HRD	0.16	-1.8326	<	0.02	-3.9120	2.19	0.7839	<	0.002	-6.2146	<	0.02	-3.9120	
42	HRD	0.16	-1.8326	<	0.02	-3.9120	2.76	1.0152	<	0.001	-6.9078	<	0.02	-3.9120	
43	HRD	<	0.1	-2.3026	<	0.02	-3.9120	1.04	0.0392	<	0.001	-6.9078	<	0.02	-3.9120
44	HRD	0.21	-1.5606	<	0.02	-3.9120	2.71	0.9969	<	0.001	-6.9078	<	0.02	-3.9120	
45	HRD	0.02	-3.9120	<	0.02	-3.9120	0.45	-0.7985	<	0.001	-6.9078	<	0.02	-3.9120	
46	HRD	0.1	-2.3026				1.89	0.6366	<	0.001	-6.9078	<	0.02	-3.9120	
47	HRD	<	0.01	-4.6052	<	0.02	-3.9120	1.71	0.5365	<	0.001	-6.9078	<	0.02	-3.9120
48	HRD	<	0.1	-2.3026	<	0.02	-3.9120	1.32	0.2776	<	0.001	-6.9078	<	0.02	-3.9120
49	HRD	<	0.01	-4.6052	<	0.02	-3.9120	1.7	0.5306	<	0.001	-6.9078	<	0.02	-3.9120
50	HRD	<	0.1	-2.3026	<	0.02	-3.9120	0.77	-0.2614	<	0.001	-6.9078	<	0.02	-3.9120
51	HRD	<	0.1	-2.3026	<	0.02	-3.9120	1.62	0.4824	<	0.001	-6.9078	<	0.02	-3.9120
52	HRD	<	0.1	-2.3026	<	0.02	-3.9120	1.37	0.3148	<	0.001	-6.9078	<	0.02	-3.9120
53	HRD	0.13	-2.0402	<	0.02	-3.9120	3.19	1.1600	<	0.001	-6.9078	<	0.02	-3.9120	
54	HRD	0.07	-2.6593	<	0.02	-3.9120	1.46	0.3784	<	0.001	-6.9078	<	0.02	-3.9120	
55	HRD	<	0.1	-2.3026	<	0.02	-3.9120	1.63	0.4886	<	0.001	-6.9078	<	0.02	-3.9120
56	HRD	<	0.01	-4.6052	<	0.02	-3.9120	3.1	1.1314	<	0.001	-6.9078	<	0.02	-3.9120
57	HRD	0.17	-1.7720	<	0.02	-3.9120	2.3	0.8329	<	0.001	-6.9078	<	0.02	-3.9120	
58	HRD	0.16	-1.8326	<	0.02	-3.9120	2.25	0.8109	<	0.001	-6.9078	<	0.02	-3.9120	
59	HRD	<	0.01	-4.6052	<	0.02	-3.9120			<	0.001	-6.9078	<	0.02	-3.9120
60	HRD	<	0.1	-2.3026	<	0.02	-3.9120	1.06	0.0583	<	0.001	-6.9078	<	0.02	-3.9120
61	HRD	<	0.1	-2.3026	<	0.02	-3.9120	1.75	0.5596	<	0.001	-6.9078	<	0.02	-3.9120
62	HRD	<	0.01	-4.6052	<	0.02	-3.9120	1.62	0.4824	<	0.001	-6.9078	<	0.02	-3.9120
63	HRD	<	0.01	-4.6052	<	0.02	-3.9120	2.26	0.8154	<	0.001	-6.9078	<	0.02	-3.9120
64	HRD	0.06	-2.8134	<	0.03	-3.5066	1.42	0.3507	<	0.004	-5.5215	<	0.02	-3.9120	
65	HRD	0.07	-2.6593	<	0.02	-3.9120	2.11	0.7467	<	0.001	-6.9078	<	0.02	-3.9120	
66	HRD	<	0.01	-4.6052	<	0.02	-3.9120	1.35	0.3001	<	0.001	-6.9078	<	0.02	-3.9120
67	HRD	<	0.1	-2.3026	<	0.02	-3.9120	1.65	0.5008	<	0.001	-6.9078	<	0.02	-3.9120
68	HRD	0.03	-3.5066	<	0.02	-3.9120			<	0.001	-6.9078	<	0.02	-3.9120	
69	HRD	<	0.1	-2.3026	<	0.02	-3.9120	1.58	0.4574	<	0.001	-6.9078	<	0.02	-3.9120
70	HRD	<	0.1	-2.3026	<	0.02	-3.9120	0.61	-0.4943	<	0.001	-6.9078	<	0.02	-3.9120
71	HRD	<	0.1	-2.3026	<	0.02	-3.9120	0.64	-0.4463	<	0.002	-6.2146	<	0.02	-3.9120
72	HRD	<	0.1	-2.3026	<	0.02	-3.9120	1.58	0.4574	<	0.001	-6.9078	<	0.02	-3.9120
73	HRD	<	0.01	-4.6052	<	0.02	-3.9120	0.62	-0.4780	<	0.001	-6.9078	<	0.02	-3.9120
74	HRD	<	0.01	-4.6052	<	0.02	-3.9120	2.41	0.8796	<	0.001	-6.9078	<	0.02	-3.9120
75	HRD	<	0.01	-4.6052	<	0.02	-3.9120	4.05	1.3987	<	0.001	-6.9078	<	0.02	-3.9120
76	HRD	<	0.1	-2.3026	<	0.02	-3.9120	2.47	0.9042	<	0.001	-6.9078	<	0.02	-3.9120
77	HRD	0.14	-1.9661	<	0.02	-3.9120	2.72	1.0006	<	0.001	-6.9078	<	0.02	-3.9120	
78	HRD	0.19	-1.6607	<	0.02	-3.9120	2.95	1.0818	<	0.001	-6.9078	<	0.02	-3.9120	
79	HRD	<	0.1	-2.3026	<	0.02	-3.9120	0.68	-0.3857	<	0.002	-6.2146	<	0.02	-3.9120

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Samples	Waste	Antimony		Arsenic		Barium		Beryllium		Cadmium	
		Treated	(LN)	Treated	(LN)	Treated	(LN)	Treated	(LN)	Treated	(LN)
80	HRD	< 0.1	-2.3026	< 0.02	-3.9120	0.65	-0.4308	0.002	-6.2146	< 0.02	-3.9120
81	HRD	0.15	-1.8971	< 0.02	-3.9120	2.27	0.8198	< 0.001	-6.9078	< 0.02	-3.9120
82	HRD	0.02	-3.9120	< 0.02	-3.9120	1.8	0.5878	< 0.001	-6.9078	< 0.02	-3.9120
83	HRD	< 0.1	-2.3026	< 0.02	-3.9120	3.6	1.2809	0.002	-6.2146	< 0.02	-3.9120
84	HRD	< 0.1	-2.3026	< 0.02	-3.9120	1.87	0.6259	0.002	-6.2146	< 0.02	-3.9120
85	HRD	0.16	-1.8326	< 0.02	-3.9120	1.57	0.4511	< 0.001	-6.9078	< 0.02	-3.9120
86	HRD	< 0.01	-4.6052	< 0.02	-3.9120	1.79	0.5822	< 0.001	-6.9078	< 0.02	-3.9120
87	HRD	< 0.01	-4.6052	< 0.02	-3.9120	3.09	1.1282	< 0.001	-6.9078	< 0.02	-3.9120
88	HRD	0.18	-1.7148	< 0.02	-3.9120	1.99	0.6881	< 0.001	-6.9078	< 0.02	-3.9120
89	HRD	0.24	-1.4271	< 0.02	-3.9120	1.68	0.5188	< 0.001	-6.9078	< 0.02	-3.9120
90	HRD	< 0.01	-4.6052	< 0.02	-3.9120	1.58	0.4574	< 0.001	-6.9078	< 0.02	-3.9120
91	HRD	< 0.01	-4.6052	< 0.02	-3.9120	3	1.0986	< 0.001	-6.9078	< 0.02	-3.9120
92	HRD	0.06	-2.8134	< 0.02	-3.9120	1.51	0.4121	< 0.001	-6.9078	< 0.02	-3.9120
93	HRD	< 0.01	-4.6052	< 0.02	-3.9120	3	1.0986	< 0.001	-6.9078	< 0.02	-3.9120
94	HRD	< 0.01	-4.6052	< 0.02	-3.9120	2.93	1.0750	< 0.001	-6.9078	< 0.02	-3.9120
95	HRD	< 0.01	-4.6052	< 0.02	-3.9120	0.33	-1.1087	< 0.001	-6.9078	< 0.02	-3.9120
96	HRD	0.03	-3.5066	< 0.02	-3.9120	0.39	-0.9416	< 0.001	-6.9078	< 0.02	-3.9120
97	HRD	0.13	-2.0402	< 0.02	-3.9120	0.91	-0.0943	0.006	-5.1160	< 0.02	-3.9120
98	HRD	< 0.01	-4.6052	< 0.02	-3.9120	1.11	0.1044	< 0.001	-6.9078	< 0.02	-3.9120
99	HRD	< 0.01	-4.6052	< 0.02	-3.9120	0.78	-0.2485	< 0.001	-6.9078	< 0.02	-3.9120
100	HRD	0.03	-3.5066	< 0.02	-3.9120	0.91	-0.0943	< 0.001	-6.9078	< 0.02	-3.9120
101	HRD	< 0.01	-4.6052	< 0.02	-3.9120	2.09	0.7372	< 0.001	-6.9078	< 0.02	-3.9120
102	HRD	0.02	-3.9120	< 0.02	-3.9120	0.27	-1.3093	< 0.001	-6.9078	< 0.02	-3.9120
103	HRD	0.02	-3.9120	< 0.02	-3.9120	0.76	-0.2744	< 0.001	-6.9078	< 0.02	-3.9120
104	HRD	0.24	-1.4271	< 0.02	-3.9120	3.32	1.2000	< 0.001	-6.9078	< 0.02	-3.9120
105	HRD	< 0.01	-4.6052	< 0.02	-3.9120	1.97	0.6780	< 0.001	-6.9078	< 0.02	-3.9120
106	HRD	0.13	-2.0402	< 0.02	-3.9120	1.49	0.3988	< 0.001	-6.9078	< 0.02	-3.9120
107	HRD	< 0.01	-4.6052	< 0.02	-3.9120	0.73	-0.3147	< 0.001	-6.9078	< 0.02	-3.9120
108	HRD	< 0.01	-4.6052	< 0.02	-3.9120	1.54	0.4318	< 0.001	-6.9078	< 0.02	-3.9120
109	HRD	0.06	-2.8134	0.03	-3.5066	1	0.0000	< 0.001	-6.9078	< 0.02	-3.9120
110	HRD	< 0.01	-4.6052	< 0.02	-3.9120	2.74	1.0080	< 0.001	-6.9078	< 0.02	-3.9120
111	HRD	< 0.01	-4.6052	< 0.02	-3.9120	2.15	0.7655	< 0.001	-6.9078	< 0.02	-3.9120
112	HRD	< 0.01	-4.6052	< 0.02	-3.9120	1.81	0.5933	< 0.001	-6.9078	< 0.02	-3.9120
113	HRD	0.01	-4.6052	< 0.02	-3.9120	1.19	0.1740	< 0.001	-6.9078	< 0.02	-3.9120
114	HRD	0.07	-2.6593	< 0.02	-3.9120	0.99	-0.0101	< 0.001	-6.9078	< 0.02	-3.9120
115	HRD	< 0.01	-4.6052	< 0.02	-3.9120	1.45	0.3716	< 0.001	-6.9078	< 0.02	-3.9120
116	HRD	< 0.01	-4.6052	< 0.02	-3.9120	2.02	0.7031	< 0.001	-6.9078	< 0.02	-3.9120
117	HRD	< 0.01	-4.6052	< 0.02	-3.9120	1.22	0.1989	< 0.001	-6.9078	< 0.02	-3.9120
118	HRD	0.17	-1.7720	< 0.02	-3.9120	0.81	-0.2107	< 0.001	-6.9078	< 0.02	-3.9120
119	HRD	0.01	-4.6052	< 0.02	-3.9120	1.73	0.5481	< 0.001	-6.9078	< 0.02	-3.9120
120	HRD	< 0.01	-4.6052	< 0.02	-3.9120	1.76	0.5653	< 0.001	-6.9078	< 0.02	-3.9120
121	HRD	0.1	-2.3026	< 0.02	-3.9120	1.42	0.3507	< 0.001	-6.9078	< 0.02	-3.9120
122	HRD	< 0.01	-4.6052	< 0.02	-3.9120	1.56	0.4447	< 0.001	-6.9078	< 0.02	-3.9120
123	HRD	< 0.01	-4.6052	< 0.02	-3.9120	1.47	0.3853	< 0.001	-6.9078	< 0.02	-3.9120
124	HRD	< 0.01	-4.6052	< 0.02	-3.9120	1.77	0.5710	< 0.001	-6.9078	< 0.02	-3.9120
125	HRD	0.13	-2.0402	< 0.02	-3.9120	1.26	0.2311	< 0.001	-6.9078	< 0.02	-3.9120
126	HRD	< 0.01	-4.6052	< 0.02	-3.9120	2.06	0.7227	< 0.001	-6.9078	< 0.02	-3.9120
127	HRD	< 0.01	-4.6052	< 0.02	-3.9120	2.96	1.0852	< 0.001	-6.9078	< 0.02	-3.9120
128	HRD	< 0.01	-4.6052	< 0.02	-3.9120	0.67	-0.4005	< 0.001	-6.9078	< 0.02	-3.9120
129	HRD	< 0.01	-4.6052	< 0.02	-3.9120	1.81	0.5933	< 0.001	-6.9078	< 0.02	-3.9120
130	HRD	< 0.01	-4.6052	< 0.02	-3.9120	0.44	-0.8210	< 0.001	-6.9078	< 0.02	-3.9120
131	HRD	< 0.01	-4.6052	< 0.02	-3.9120	4.69	1.5454	< 0.001	-6.9078	< 0.02	-3.9120
132	HRD	< 0.01	-4.6052	< 0.02	-3.9120	0.99	-0.0101	< 0.001	-6.9078	< 0.02	-3.9120
133	HRD	< 0.01	-4.6052	< 0.02	-3.9120	0.47	-0.7550	< 0.001	-6.9078	< 0.02	-3.9120
134	HRD	0.19	-1.6607	< 0.02	-3.9120	1.54	0.4318	< 0.001	-6.9078	< 0.02	-3.9120
135	HRD	< 0.01	-4.6052	< 0.02	-3.9120	2.23	0.8020	< 0.001	-6.9078	< 0.02	-3.9120
136	HRD	< 0.01	-4.6052	< 0.02	-3.9120	3.34	1.2060	< 0.001	-6.9078	< 0.02	-3.9120
137	HRD	< 0.01	-4.6052	< 0.02	-3.9120	2.06	0.7227	< 0.001	-6.9078	< 0.02	-3.9120
138	HRD	< 0.01	-4.6052	< 0.02	-3.9120	2.26	0.8154	< 0.001	-6.9078	< 0.02	-3.9120
139	HRD	0.12	-2.1203	< 0.02	-3.9120	2.41	0.8796	< 0.001	-6.9078	< 0.02	-3.9120
140	HRD	< 0.01	-4.6052	< 0.02	-3.9120	4.18	1.4303	< 0.001	-6.9078	< 0.02	-3.9120
141	HRD	< 0.01	-4.6052	< 0.02	-3.9120	3.23	1.1725	< 0.001	-6.9078	< 0.02	-3.9120
142	HRD	0.03	-3.5066	< 0.02	-3.9120	2.41	0.8796	< 0.001	-6.9078	< 0.02	-3.9120
143	HRD	0.13	-2.0402	< 0.02	-3.9120	1.69	0.5247	< 0.001	-6.9078	< 0.02	-3.9120
144	HRD	< 0.01	-4.6052	< 0.02	-3.9120	4	1.3863	< 0.001	-6.9078	< 0.02	-3.9120
145	HRD	< 0.01	-4.6052	< 0.02	-3.9120	3.34	1.2060	< 0.001	-6.9078	< 0.02	-3.9120
146	HRD	< 0.01	-4.6052	< 0.02	-3.9120	1.05	0.0488	< 0.001	-6.9078	< 0.02	-3.9120
147	HRD	< 0.01	-4.6052	< 0.02	-3.9120	0.96	-0.0408	< 0.001	-6.9078	< 0.02	-3.9120
148	HRD	0.19	-1.6607	< 0.02	-3.9120	0.73	-0.3147	< 0.001	-6.9078	< 0.02	-3.9120
149	HRD	< 0.01	-4.6052	< 0.02	-3.9120	3.41	1.2267	< 0.001	-6.9078	< 0.02	-3.9120
150	HRD	0.11	-2.2073	< 0.02	-3.9120	1.68	0.5188	< 0.001	-6.9078	< 0.02	-3.9120
151	HRD	0.05	-2.9957	< 0.02	-3.9120	1.52	0.4187	< 0.001	-6.9078	< 0.02	-3.9120
152	HRD	< 0.01	-4.6052	< 0.02	-3.9120	3.45	1.2384	< 0.001	-6.9078	< 0.02	-3.9120
1	INMETCO	0.01	-4.6052	0.01	-4.6052	1.26	0.2311	0.01	-4.6052	0.01	-4.6052
2	INMETCO	0.01	-4.6052	0.01	-4.6052					0.01	-4.6052
3	INMETCO	0.01	-4.6052	0.01	-4.6052	0.58	-0.5447	0.01	-4.6052	0.01	-4.6052
4	INMETCO	0.01	-4.6052	0.01	-4.6052			0.01	-4.6052	0.01	-4.6052
5	INMETCO	0.01	-4.6052	0.01	-4.6052	1.81	0.5933	0.01	-4.6052		
6	INMETCO	0.01	-4.6052	0.01	-4.6052	0.92	-0.0834				

US EPA ARCHIVE DOCUMENT

Evaluation of TCLP Data Provided By Horsehead and INMETCO (mg/L)
 -- Calculation of TS (Minus Statistical Outliers)

Samples	Waste	Antimony		Arsenic		Barium		Beryllium		Cadmium	
		Treated	(LN)	Treated	(LN)	Treated	(LN)	Treated	(LN)	Treated	(LN)
7	INMETCO	0.01	-4.6052	0.01	-4.6052	1.52	0.4187	0.01	-4.6052		
8	INMETCO	0.01	-4.6052	0.01	-4.6052	1.16	0.1484	0.01	-4.6052		
9	INMETCO	0.01	-4.6052	0.01	-4.6052	0.6	-0.5108	0.01	-4.6052	0.02	-3.9120
10	INMETCO	0.01	-4.6052	0.01	-4.6052	0.81	-0.2107	0.01	-4.6052	0.01	-4.6052
11	INMETCO	0.01	-4.6052	0.01	-4.6052	0.95	-0.0513	0.01	-4.6052		
12	INMETCO	0.01	-4.6052	0.01	-4.6052	0.46	-0.7765	0.01	-4.6052	0.03	-3.5066
13	INMETCO	0.03	-3.5066	0.01	-4.6052	0.68	-0.3857	0.01	-4.6052	0.01	-4.6052
14	INMETCO	0.03	-3.5066	0.01	-4.6052	0.36	-1.0217	0.01	-4.6052	0.01	-4.6052
15	INMETCO	0.02	-3.9120	0.01	-4.6052	0.89	-0.1165	0.01	-4.6052	0.03	-3.5066
16	INMETCO	0.01	-4.6052	0.03	-3.5066	0.26	-1.3471	0.01	-4.6052		
17	INMETCO	0.01	-4.6052	0.01	-4.6052	0.26	-1.3471	0.01	-4.6052	0.01	-4.6052
18	INMETCO	0.01	-4.6052	0.01	-4.6052	0.29	-1.2379	0.01	-4.6052	0.03	-3.5066
19	INMETCO	0.01	-4.6052	0.01	-4.6052			0.01	-4.6052		
20	INMETCO	0.01	-4.6052	0.01	-4.6052	0.45	-0.7985	0.01	-4.6052	0.03	-3.5066
21	INMETCO	0.01	-4.6052	0.01	-4.6052	0.51	-0.6733			0.01	-4.6052
22	INMETCO	0.053	-2.9375	0.01	-4.6052	1.1	0.0953	0.01	-4.6052	0.01	-4.6052
23	INMETCO	0.01	-4.6052	0.01	-4.6052	1.2	0.1823	0.01	-4.6052	0.01	-4.6052
24	INMETCO	0.01	-4.6052	0.01	-4.6052	0.63	-0.4620	0.01	-4.6052	0.01	-4.6052
25	INMETCO	0.042	-3.1701	0.01	-4.6052	0.33	-1.1087	0.01	-4.6052	0.01	-4.6052
26	INMETCO	0.01	-4.6052	0.01	-4.6052	0.5	-0.6931	0.01	-4.6052	0.01	-4.6052
27	INMETCO	0.01	-4.6052	0.01	-4.6052	0.38	-0.9676	0.01	-4.6052	0.01	-4.6052
28	INMETCO	0.01	-4.6052	0.01	-4.6052	0.63	-0.4620	0.01	-4.6052	0.01	-4.6052
29	INMETCO	0.02	-3.9120	0.01	-4.6052	0.42	-0.8675	0.01	-4.6052	0.02	-3.9120
30	INMETCO	0.02	-3.9120	0.03	-3.5066	0.61	-0.4943	0.01	-4.6052	0.02	-3.9120
31	INMETCO	0.01	-4.6052			0.69	-0.3711	0.01	-4.6052	0.01	-4.6052
32	INMETCO	0.02	-3.9120	0.03	-3.5066	0.65	-0.4308	0.01	-4.6052		
33	INMETCO	0.01	-4.6052	0.01	-4.6052	3.59	1.2782			0.04	-3.2189
34	INMETCO	0.06	-2.8134	0.01	-4.6052	3.23	1.1725	0.01	-4.6052	0.01	-4.6052
35	INMETCO	0.01	-4.6052	0.01	-4.6052	1.59	0.4637	0.01	-4.6052	0.01	-4.6052
36	INMETCO	0.01	-4.6052	0.01	-4.6052	1.45	0.3716	0.01	-4.6052		
37	INMETCO	0.02	-3.9120	0.01	-4.6052	0.59	-0.5276	0.01	-4.6052	0.01	-4.6052
38	INMETCO	0.01	-4.6052	0.01	-4.6052	0.32	-1.1394			0.01	-4.6052
39	INMETCO	0.01	-4.6052	0.01	-4.6052	0.95	-0.0513	0.01	-4.6052	0.01	-4.6052
40	INMETCO	0.01	-4.6052	0.01	-4.6052	0.33	-1.1087	0.01	-4.6052	0.01	-4.6052
41	INMETCO										
42	INMETCO										
43	INMETCO										
44	INMETCO										
45	INMETCO										
46	INMETCO										
47	INMETCO										
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81	INMETCO										
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83	INMETCO										
84	INMETCO										
85	INMETCO										

US EPA ARCHIVE DOCUMENT

Evaluation of TCLP Data Provided By Horsehead and INMETCO (mg/L)
 -- Calculation of TS (Minus Statistical Outliers)

Samples	Waste	Antimony Treated (LN)		Arsenic Treated (LN)		Barium Treated (LN)		Beryllium Treated (LN)		Cadmium Treated (LN)	
86	INMETCO										
87	INMETCO										
88	INMETCO										
89	INMETCO										
90	INMETCO										
91	INMETCO										
92	INMETCO										
93	INMETCO										
94	INMETCO										
95	INMETCO										
96	INMETCO										
97	INMETCO										
98	INMETCO										
99	INMETCO										
100	INMETCO										
101	INMETCO										
102	INMETCO										
103	INMETCO										
104	INMETCO										
105	INMETCO										
106	INMETCO										
107	INMETCO										
108	INMETCO										
109	INMETCO										
110	INMETCO										
111	INMETCO										
112	INMETCO										
113	INMETCO										
114	INMETCO										
115	INMETCO										
116	INMETCO										
117	INMETCO										
118	INMETCO										
119	INMETCO										
120	INMETCO										
121	INMETCO										
122	INMETCO										
	# of Obs:	192	192	186	186	185	185	187	187	183	183
	# of NDs:	95		137		0		143		152	
	Minimum:	0.0100	-4.6052	0.0100	-4.6052	0.2600	-1.3471	0.0010	-6.9078	0.0100	-4.6052
	Mean:	0.0560	-3.5604	0.0184	-4.0331	1.5702	0.2413	0.0028	-6.4301	0.0191	-3.9865
	Maximum:	0.2500	-1.3863	0.0300	-3.5066	4.9400	1.5974	0.0100	-4.6052	0.0400	-3.2189
	Std:	0.0617	1.1840	0.0045	0.2900	0.9643	0.6891	0.0035	0.9065	0.0040	0.2478
	VF:	8.02		1.89		4.04		4.80		1.73	
	TS:	0.45		0.035		6.3		0.013		0.033	

Evaluation of TCLP Data Provided By Horsehead and INMETCO (mg/L)
 -- Calculation of TS (Minus Statistical Outliers)

Samples	Waste	Chromium		Lead		Mercury		Nickel	
		Treated	(LN)	Treated	(LN)	Treated	(LN)	Treated	(LN)
1	HRD	<	0.1 -2.3026	<	0.16 -1.8326	<	0.01 -4.6052	<	0.05 -2.9957
2	HRD	<	0.1 -2.3026	<	0.01 -4.6052	<	0.01 -4.6052	<	0.05 -2.9957
3	HRD	<	0.1 -2.3026	<	0.1 -2.3026	<	0.01 -4.6052	<	0.05 -2.9957
4	HRD	<	0.1 -2.3026	<	0.01 -4.6052	<	0.01 -4.6052	<	0.05 -2.9957
5	HRD	<	0.1 -2.3026	<	0.01 -4.6052	<	0.01 -4.6052	<	0.05 -2.9957
6	HRD	<	0.1 -2.3026	<	0.01 -4.6052	<	0.01 -4.6052	<	0.05 -2.9957
7	HRD	<	0.1 -2.3026	<	0.1 -2.3026	<	0.01 -4.6052	<	0.05 -2.9957
8	HRD	<	0.1 -2.3026	<	0.01 -4.6052	<	0.01 -4.6052	<	0.05 -2.9957
9	HRD	<	0.1 -2.3026	<	0.03 -3.5066	<	0.01 -4.6052	<	0.05 -2.9957
10	HRD	<	0.1 -2.3026	<	0.1 -2.3026	<	0.01 -4.6052	<	0.05 -2.9957
11	HRD	<	0.1 -2.3026	<	0.01 -4.6052	<	0.01 -4.6052	<	0.05 -2.9957
12	HRD	<	0.1 -2.3026	<	0.1 -2.3026	<	0.01 -4.6052	<	0.05 -2.9957
13	HRD	<	0.1 -2.3026	<		<	0.01 -4.6052	<	0.05 -2.9957
14	HRD	<	0.1 -2.3026	<	0.01 -4.6052	<	0.01 -4.6052	<	0.05 -2.9957
15	HRD	<	0.1 -2.3026	<	0.06 -2.8134	<	0.01 -4.6052	<	0.05 -2.9957
16	HRD	<	0.1 -2.3026	<	0.01 -4.6052	<	0.01 -4.6052	<	0.05 -2.9957
17	HRD	<	0.1 -2.3026	<	0.01 -4.6052	<	0.01 -4.6052	<	0.74 -0.3011
18	HRD	<	0.1 -2.3026	<	0.01 -4.6052	<	0.01 -4.6052	<	0.05 -2.9957
19	HRD	<	0.1 -2.3026	<	0.01 -4.6052	<	0.01 -4.6052	<	0.05 -2.9957
20	HRD	<	0.1 -2.3026	<	0.15 -1.8971	<	0.01 -4.6052	<	0.05 -2.9957
21	HRD	<	0.1 -2.3026	<	0.01 -4.6052	<	0.01 -4.6052	<	0.05 -2.9957
22	HRD	<	0.1 -2.3026	<		<	0.01 -4.6052	<	0.18 -1.7148
23	HRD	<	0.1 -2.3026	<	0.01 -4.6052	<	0.01 -4.6052	<	0.05 -2.9957
24	HRD	<	0.1 -2.3026	<		<	0.01 -4.6052	<	0.05 -2.9957
25	HRD	<	0.1 -2.3026	<	0.1 -2.3026	<	0.01 -4.6052	<	0.05 -2.9957
26	HRD	<	0.1 -2.3026	<	0.01 -4.6052	<	0.01 -4.6052	<	0.05 -2.9957
27	HRD	<	0.1 -2.3026	<	0.01 -4.6052	<	0.01 -4.6052	<	0.05 -2.9957
28	HRD	<	0.1 -2.3026	<	0.1 -2.3026	<	0.01 -4.6052	<	0.05 -2.9957
29	HRD	<	0.1 -2.3026	<	0.1 -2.3026	<	0.01 -4.6052	<	0.05 -2.9957
30	HRD	<	0.1 -2.3026	<	0.14 -1.9661	<	0.01 -4.6052	<	1.87 0.6259
31	HRD	<	0.1 -2.3026	<	0.11 -2.2073	<	0.01 -4.6052	<	0.05 -2.9957
32	HRD	<	0.1 -2.3026	<		<	0.01 -4.6052	<	0.05 -2.9957
33	HRD	<	0.1 -2.3026	<	0.01 -4.6052	<	0.01 -4.6052	<	0.05 -2.9957
34	HRD	<	0.1 -2.3026	<	0.1 -2.3026	<	0.01 -4.6052	<	0.05 -2.9957
35	HRD	<	0.1 -2.3026	<	0.01 -4.6052	<	0.01 -4.6052	<	0.05 -2.9957
36	HRD	<	0.1 -2.3026	<	0.01 -4.6052	<	0.01 -4.6052	<	0.05 -2.9957
37	HRD	<	0.1 -2.3026	<	0.12 -2.1203	<	0.01 -4.6052	<	0.05 -2.9957
38	HRD	<	0.1 -2.3026	<	0.1 -2.3026	<	0.01 -4.6052	<	0.09 -2.4079
39	HRD	<	0.1 -2.3026	<	0.01 -4.6052	<	0.01 -4.6052	<	0.05 -2.9957
40	HRD	<	0.1 -2.3026	<	0.01 -4.6052	<	0.01 -4.6052	<	0.41 -0.8916
41	HRD	<	0.1 -2.3026	<	0.01 -4.6052	<	0.01 -4.6052	<	0.05 -2.9957
42	HRD	<	0.1 -2.3026	<	0.01 -4.6052	<	0.01 -4.6052	<	0.05 -2.9957
43	HRD	<	0.1 -2.3026	<	0.1 -2.3026	<	0.01 -4.6052	<	0.05 -2.9957
44	HRD	<	0.1 -2.3026	<	0.1 -2.3026	<	0.01 -4.6052	<	0.05 -2.9957
45	HRD	<	0.1 -2.3026	<	0.01 -4.6052	<	0.01 -4.6052	<	0.31 -1.1712
46	HRD	<	0.1 -2.3026	<	0.01 -4.6052	<	0.01 -4.6052	<	0.06 -2.8134
47	HRD	<	0.1 -2.3026	<	0.01 -4.6052	<	0.01 -4.6052	<	0.05 -2.9957
48	HRD	<	0.1 -2.3026	<	0.1 -2.3026	<	0.01 -4.6052	<	0.05 -2.9957
49	HRD	<	0.1 -2.3026	<	0.01 -4.6052	<	0.01 -4.6052	<	0.05 -2.9957
50	HRD	<	0.1 -2.3026	<	0.1 -2.3026	<	0.01 -4.6052	<	0.05 -2.9957
51	HRD	<	0.1 -2.3026	<	0.1 -2.3026	<	0.01 -4.6052	<	2.59 0.9517
52	HRD	<	0.1 -2.3026	<	0.1 -2.3026	<	0.01 -4.6052	<	0.05 -2.9957
53	HRD	<	0.1 -2.3026	<	0.01 -4.6052	<	0.01 -4.6052	<	0.09 -2.4079
54	HRD	<	0.1 -2.3026	<	0.06 -2.8134	<	0.01 -4.6052	<	2.48 0.9083
55	HRD	<	0.1 -2.3026	<	0.1 -2.3026	<	0.01 -4.6052	<	0.05 -2.9957
56	HRD	<	0.1 -2.3026	<	0.01 -4.6052	<	0.01 -4.6052	<	0.05 -2.9957
57	HRD	<	0.1 -2.3026	<	0.01 -4.6052	<	0.01 -4.6052	<	0.07 -2.6593
58	HRD	<	0.1 -2.3026	<	0.01 -4.6052	<	0.01 -4.6052	<	0.05 -2.9957
59	HRD	<	0.1 -2.3026	<	0.01 -4.6052	<	0.01 -4.6052	<	0.05 -2.9957
60	HRD	<	0.1 -2.3026	<	0.1 -2.3026	<	0.01 -4.6052	<	0.06 -2.8134
61	HRD	<	0.1 -2.3026	<	0.1 -2.3026	<	0.01 -4.6052	<	0.05 -2.9957
62	HRD	<	0.1 -2.3026	<	0.01 -4.6052	<	0.01 -4.6052	<	0.05 -2.9957
63	HRD	<	0.1 -2.3026	<	0.01 -4.6052	<	0.01 -4.6052	<	0.05 -2.9957
64	HRD	<	0.1 -2.3026	<	0.02 -3.9120	<	0.01 -4.6052	<	0.05 -2.9957
65	HRD	<	0.1 -2.3026	<	0.01 -4.6052	<	0.01 -4.6052	<	0.05 -2.9957
66	HRD	<	0.1 -2.3026	<	0.01 -4.6052	<	0.01 -4.6052	<	0.05 -2.9957
67	HRD	<	0.1 -2.3026	<		<	0.01 -4.6052	<	0.05 -2.9957
68	HRD	<	0.1 -2.3026	<	0.01 -4.6052	<	0.01 -4.6052	<	0.05 -2.9957
69	HRD	<	0.1 -2.3026	<	0.1 -2.3026	<	0.01 -4.6052	<	0.08 -2.5257
70	HRD	<	0.1 -2.3026	<	0.1 -2.3026	<	0.01 -4.6052	<	0.05 -2.9957
71	HRD	<	0.12 -2.1203	<	0.1 -2.3026	<	0.01 -4.6052	<	0.08 -2.5257
72	HRD	<	0.1 -2.3026	<	0.1 -2.3026	<	0.01 -4.6052	<	0.05 -2.9957
73	HRD	<	0.1 -2.3026	<	0.01 -4.6052	<	0.01 -4.6052	<	0.05 -2.9957
74	HRD	<	0.1 -2.3026	<	0.01 -4.6052	<	0.01 -4.6052	<	0.05 -2.9957
75	HRD	<	0.1 -2.3026	<		<	0.01 -4.6052	<	0.05 -2.9957
76	HRD	<	0.1 -2.3026	<	0.11 -2.2073	<	0.01 -4.6052	<	0.05 -2.9957
77	HRD	<	0.1 -2.3026	<	0.01 -4.6052	<	0.01 -4.6052	<	0.06 -2.8134
78	HRD	<	0.1 -2.3026	<	0.01 -4.6052	<	0.01 -4.6052	<	0.05 -2.9957
79	HRD	<	0.1 -2.3026	<	0.1 -2.3026	<	0.01 -4.6052	<	0.07 -2.6593

US EPA ARCHIVE DOCUMENT

Evaluation of TCLP Data Provided By Horsehead and INMETCO (mg/L)
 -- Calculation of TS (Minus Statistical Outliers)

Samples	Waste	Chromium		Lead		Mercury		Nickel	
		Treated	(LN)	Treated	(LN)	Treated	(LN)	Treated	(LN)
7	INMETCO	0.07	-2.6593	0.03	-3.5066			2.77	1.0188
8	INMETCO	0.07	-2.6593	0.04	-3.2189			4.5	1.5041
9	INMETCO	0.04	-3.2189	0.02	-3.9120			2.71	0.9969
10	INMETCO	0.04	-3.2189	0.02	-3.9120			2.85	1.0473
11	INMETCO			0.14	-1.9661			2.3	0.8329
12	INMETCO	0.04	-3.2189	0.02	-3.9120			1.47	0.3853
13	INMETCO	0.04	-3.2189	0.04	-3.2189			0.78	-0.2485
14	INMETCO			0.03	-3.5066			1.08	0.0770
15	INMETCO	0.07	-2.6593	0.02	-3.9120			2.74	1.0080
16	INMETCO			0.01	-4.6052			4.55	1.5151
17	INMETCO	0.04	-3.2189	0.01	-4.6052			2.41	0.8796
18	INMETCO	0.11	-2.2073	0.04	-3.2189			2.96	1.0852
19	INMETCO	0.14	-1.9661	0.04	-3.2189			4.91	1.5913
20	INMETCO	0.07	-2.6593	0.03	-3.5066			2.49	0.9123
21	INMETCO			0.05	-2.9957			3.06	1.1184
22	INMETCO			0.01	-4.6052			2.15	0.7655
23	INMETCO			0.01	-4.6052			4.22	1.4398
24	INMETCO			0.01	-4.6052			4.08	1.4061
25	INMETCO	0.07	-2.6593	0.02	-3.9120			4.78	1.5644
26	INMETCO	0.06	-2.8134	0.02	-3.9120			4.49	1.5019
27	INMETCO	0.07	-2.6593	0.02	-3.9120			4.54	1.5129
28	INMETCO	0.07	-2.6593	0.02	-3.9120			3.74	1.3191
29	INMETCO	0.08	-2.5257	0.07	-2.6593			1.48	0.3920
30	INMETCO	0.08	-2.5257	0.05	-2.9957			1.5	0.4055
31	INMETCO	0.16	-1.8326	0.05	-2.9957			1.41	0.3436
32	INMETCO			0.06	-2.8134			1.88	0.6313
33	INMETCO	0.2	-1.6094	0.03	-3.5066			2.79	1.0260
34	INMETCO	0.09	-2.4079	0.03	-3.5066			2.4	0.8755
35	INMETCO	0.08	-2.5257	0.03	-3.5066			2.66	0.9783
36	INMETCO	0.12	-2.1203	0.03	-3.5066			3.74	1.3191
37	INMETCO	0.06	-2.8134	0.01	-4.6052			1.54	0.4318
38	INMETCO			0.01	-4.6052			2.34	0.8502
39	INMETCO	0.07	-2.6593	0.05	-2.9957			3.97	1.3788
40	INMETCO	0.07	-2.6593	0.01	-4.6052			4.78	1.5644
41	INMETCO							1.16	0.1484
42	INMETCO							0.85	-0.1625
43	INMETCO							0.51	-0.6733
44	INMETCO							1.56	0.4447
45	INMETCO							1.43	0.3577
46	INMETCO							3.32	1.2000
47	INMETCO							1.05	0.0488
48	INMETCO							1.33	0.2852
49	INMETCO							2.53	0.9282
50	INMETCO							3.1	1.1314
51	INMETCO							0.65	-0.4308
52	INMETCO							0.22	-1.5141
53	INMETCO							5.5	1.7047
54	INMETCO							1.97	0.6780
55	INMETCO							0.84	-0.1744
56	INMETCO							0.2	-1.6094
57	INMETCO							0.96	-0.0408
58	INMETCO							1.92	0.6523
59	INMETCO							0.27	-1.3093
60	INMETCO							0.88	-0.1278
61	INMETCO							0.2	-1.6094
62	INMETCO							4.55	1.5151
63	INMETCO							1.28	0.2469
64	INMETCO							1.47	0.3853
65	INMETCO							0.71	-0.3425
66	INMETCO							0.52	-0.6539
67	INMETCO							0.33	-1.1087
68	INMETCO							1.09	0.0862
69	INMETCO							1.03	0.0296
70	INMETCO							1.2	0.1823
71	INMETCO							1	0.0000
72	INMETCO							0.88	-0.1278
73	INMETCO							3.48	1.2470
74	INMETCO							5.78	1.7544
75	INMETCO							4.72	1.5518
76	INMETCO							5.48	1.7011
77	INMETCO							4.63	1.5326
78	INMETCO							2.71	0.9969
79	INMETCO							4.4	1.4816
80	INMETCO							9.81	2.2834
81	INMETCO							7.3	1.9879
82	INMETCO							5.66	1.7334
83	INMETCO							5.12	1.6332
84	INMETCO							2.82	1.0367
85	INMETCO							2.83	1.0403

Evaluation of TCLP Data Provided By Horsehead and INMETCO (mg/L)
 -- Calculation of TS (Minus Statistical Outliers)

Samples	Waste	Chromium Treated (LN)		Lead Treated (LN)		Mercury Treated (LN)		Nickel Treated (LN)	
86	INMETCO							1.79	0.5822
87	INMETCO							2.34	0.8502
88	INMETCO							2.47	0.9042
89	INMETCO							3.75	1.3218
90	INMETCO							2.77	1.0188
91	INMETCO							4.8	1.5686
92	INMETCO							4.61	1.5282
93	INMETCO							4.4	1.4816
94	INMETCO							2.95	1.0818
95	INMETCO							2.11	0.7467
96	INMETCO							1.18	0.1655
97	INMETCO							2.37	0.8629
98	INMETCO							1.43	0.3577
99	INMETCO							4.34	1.4679
100	INMETCO							2.1	0.7419
101	INMETCO							1.64	0.4947
102	INMETCO							0.46	-0.7765
103	INMETCO							3.92	1.3661
104	INMETCO							1.81	0.5933
105	INMETCO							2	0.6931
106	INMETCO							7.21	1.9755
107	INMETCO							2.36	0.8587
108	INMETCO							4.04	1.3962
109	INMETCO							8.62	2.1541
110	INMETCO							1.3	0.2624
111	INMETCO							1.67	0.5128
112	INMETCO							1.55	0.4383
113	INMETCO							1.37	0.3148
114	INMETCO							3.69	1.3056
115	INMETCO							3.21	1.1663
116	INMETCO							3.75	1.3218
117	INMETCO							1.85	0.6152
118	INMETCO							2.19	0.7839
119	INMETCO							2.87	1.0543
120	INMETCO							4.16	1.4255
121	INMETCO							8.77	2.1713
122	INMETCO							3.01	1.1019
	# of Obs:	179	179	182	182	152	152	274	274
	# of NDs:	150		123		152		121	
	Minimum:	0.0400	-3.2189	0.0100	-4.6052	0.0100	-4.6052	0.0500	-2.9957
	Mean:	0.0975	-2.3442	0.0327	-3.9416	0.0100	-4.6052	1.3123	-1.1990
	Maximum:	0.2000	-1.6094	0.1600	-1.8326	0.0100	-4.6052	9.8100	2.2834
	Std:	0.0161	0.1934	0.0378	0.9461	0.0000	0.0000	1.8317	1.9178
	VF:	1.54		5.38		2.80		20.04	
	TS:	0.15		0.18		0.028		26	

Evaluation of TCLP Data Provided By Horsehead and INMETCO (mg/L)
 -- Calculation of TS (Minus Statistical Outliers)

Samples	Waste	Selenium		Silver		Thallium		Vanadium		Zinc	
		Treated	(LN)	Treated	(LN)	Treated	(LN)	Treated	(LN)	Treated	(LN)
1	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.77	-0.2614
2	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			<	0.01 -4.6052
3	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.23	-1.4697
4	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.01	-4.6052
5	HRD	<	0.02 -3.9120	<	0.02 -3.9120	<	0.03 -3.5066			0.2	-1.6094
6	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.39	-0.9416
7	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.06	-2.8134
8	HRD	<	0.02 -3.9120	<	0.02 -3.9120	<	0.03 -3.5066			0.27	-1.3093
9	HRD	<	0.02 -3.9120	<	0.02 -3.9120	<	0.03 -3.5066			0.41	-0.8916
10	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.25	-1.3863
11	HRD	<	0.03 -3.5066	<	0.01 -4.6052	<	0.03 -3.5066			0.13	-2.0402
12	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			<	0.01 -4.6052
13	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.2	-1.6094
14	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.14	-1.9661
15	HRD	<	0.02 -3.9120	<	0.02 -3.9120	<	0.03 -3.5066			0.2	-1.6094
16	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			<	0.01 -4.6052
17	HRD	<	0.02 -3.9120	<	0.02 -3.9120	<	0.03 -3.5066			0.12	-2.1203
18	HRD	<	0.02 -3.9120	<	0.02 -3.9120	<	0.03 -3.5066			0.08	-2.5257
19	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.19	-1.6607
20	HRD	<	0.02 -3.9120	<		<	0.03 -3.5066			0.1	-2.3026
21	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.1	-2.3026
22	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066				
23	HRD	<	0.02 -3.9120	<	0.08 -2.5257	<	0.03 -3.5066			<	0.01 -4.6052
24	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.31	-1.1712
25	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			1.27	0.2390
26	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.14	-1.9661
27	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.32	-1.1394
28	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.16	-1.8326
29	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			<	0.01 -4.6052
30	HRD	<	0.02 -3.9120	<	0.02 -3.9120	<	0.03 -3.5066			0.42	-0.8675
31	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			<	0.01 -4.6052
32	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.26	-1.3471
33	HRD	<	0.02 -3.9120	<	0.02 -3.9120	<	0.03 -3.5066			0.16	-1.8326
34	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			<	0.01 -4.6052
35	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.11	-2.2073
36	HRD	<	0.02 -3.9120	<	0.02 -3.9120	<	0.03 -3.5066			<	0.01 -4.6052
37	HRD	<	0.02 -3.9120	<	0.02 -3.9120	<	0.03 -3.5066			0.12	-2.1203
38	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.54	-0.6162
39	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			<	0.01 -4.6052
40	HRD	<	0.02 -3.9120	<	0.02 -3.9120	<	0.03 -3.5066			0.13	-2.0402
41	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.08	-2.5257
42	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.19	-1.6607
43	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.02	-3.9120
44	HRD	<	0.02 -3.9120	<	0.05 -2.9957	<	0.03 -3.5066			0.11	-2.2073
45	HRD	<	0.02 -3.9120	<	0.02 -3.5066	<	0.03 -3.5066			0.27	-1.3093
46	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.07	-2.6593
47	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			<	0.01 -4.6052
48	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			<	0.01 -4.6052
49	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			<	0.01 -4.6052
50	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			<	0.01 -4.6052
51	HRD	<	0.02 -3.9120	<	0.02 -3.9120	<	0.03 -3.5066				
52	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.21	-1.5606
53	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.17	-1.7720
54	HRD	<	0.02 -3.9120	<		<	0.03 -3.5066				
55	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.22	-1.5141
56	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			<	0.01 -4.6052
57	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.16	-1.8326
58	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.34	-1.0788
59	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			<	0.01 -4.6052
60	HRD	<	0.02 -3.9120	<	0.02 -3.9120	<	0.03 -3.5066			0.1	-2.3026
61	HRD	<	0.02 -3.9120	<	0.02 -3.9120	<	0.03 -3.5066			0.1	-2.3026
62	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			<	0.01 -4.6052
63	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.16	-1.8326
64	HRD	<	0.02 -3.9120	<		<	0.03 -3.5066			0.44	-0.8210
65	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.11	-2.2073
66	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.2	-1.6094
67	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.23	-1.4697
68	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			<	0.01 -4.6052
69	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.44	-0.8210
70	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.19	-1.6607
71	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066				
72	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.14	-1.9661
73	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			<	0.01 -4.6052
74	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			<	0.01 -4.6052
75	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.75	-0.2877
76	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.2	-1.6094
77	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.33	-1.1087
78	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.07	-2.6593
79	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			<	0.01 -4.6052

US EPA ARCHIVE DOCUMENT

Evaluation of TCLP Data Provided By Horsehead and INMETCO (mg/L)
 -- Calculation of TS (Minus Statistical Outliers)

Samples	Waste	Selenium		Silver		Thallium		Vanadium		Zinc	
		Treated	(LN)	Treated	(LN)	Treated	(LN)	Treated	(LN)	Treated	(LN)
80	HRD	<	0.02 -3.9120			<	0.03 -3.5066			0.59	-0.5276
81	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.31	-1.1712
82	HRD	<	0.02 -3.9120		0.01 -4.6052	<	0.03 -3.5066			0.06	-2.8134
83	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			<	0.01 -4.6052
84	HRD	<	0.02 -3.9120		0.01 -4.6052	<	0.03 -3.5066			<	0.01 -4.6052
85	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.14	-1.9661
86	HRD	<	0.02 -3.9120		0.01 -4.6052	<	0.03 -3.5066			0.12	-2.1203
87	HRD	<	0.02 -3.9120		0.03 -3.5066	<	0.03 -3.5066			0.27	-1.3093
88	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.05	-2.9957
89	HRD	<	0.02 -3.9120		0.01 -4.6052	<	0.03 -3.5066			0.11	-2.2073
90	HRD	<	0.02 -3.9120		0.01 -4.6052	<	0.03 -3.5066			0.23	-1.4697
91	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.01	-4.6052
92	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			<	0.01 -4.6052
93	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			<	0.01 -4.6052
94	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			<	0.01 -4.6052
95	HRD	<	0.02 -3.9120		0.01 -4.6052	<	0.03 -3.5066			0.05	-2.9957
96	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.63	-0.4620
97	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.06	-2.8134
98	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			<	0.01 -4.6052
99	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			<	0.01 -4.6052
100	HRD	<	0.02 -3.9120		0.01 -4.6052	<	0.03 -3.5066				
101	HRD	<	0.02 -3.9120		0.02 -3.9120	<	0.03 -3.5066			<	0.01 -4.6052
102	HRD	<	0.07 -2.6593		0.01 -4.6052	<	0.03 -3.5066			<	0.01 -4.6052
103	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			<	0.01 -4.6052
104	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.12	-2.1203
105	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.03	-3.5066
106	HRD	<	0.02 -3.9120		0.02 -3.9120	<	0.03 -3.5066			0.67	-0.4005
107	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.04	-3.2189
108	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.29	-1.2379
109	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.12	-2.1203
110	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.07	-2.6593
111	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.13	-2.0402
112	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.94	-0.0619
113	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.06	-2.8134
114	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.18	-1.7148
115	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.02	-3.9120
116	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.14	-1.9661
117	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.91	-0.0943
118	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.06	-2.8134
119	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.1	-2.3026
120	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.04	-3.2189
121	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			<	0.01 -4.6052
122	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.21	-1.5606
123	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.16	-1.8326
124	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			<	0.01 -4.6052
125	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			<	0.01 -4.6052
126	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			<	0.01 -4.6052
127	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.15	-1.8971
128	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			<	0.01 -4.6052
129	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.11	-2.2073
130	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			<	0.01 -4.6052
131	HRD	<	0.02 -3.9120		0.02 -3.9120	<	0.03 -3.5066			0.17	-1.7720
132	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			<	0.01 -4.6052
133	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			<	0.01 -4.6052
134	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.22	-1.5141
135	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.07	-2.6593
136	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.21	-1.5606
137	HRD	<	0.02 -3.9120		0.04 -3.2189	<	0.03 -3.5066			0.02	-3.9120
138	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.06	-2.8134
139	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.08	-2.5257
140	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.11	-2.2073
141	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.17	-1.7720
142	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.29	-1.2379
143	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			1.55	0.4383
144	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.23	-1.4697
145	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.16	-1.8326
146	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			<	0.01 -4.6052
147	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.02	-3.9120
148	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			2.01	0.6981
149	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			<	0.01 -4.6052
150	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066				
151	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066				
152	HRD	<	0.02 -3.9120	<	0.01 -4.6052	<	0.03 -3.5066			0.01	-4.6052
1	INMETCO		0.09 -2.4079		0.03 -3.5066			0.0100 -4.6052		0.0200	-3.9120
2	INMETCO		0.04 -3.2189		0.03 -3.5066			0.0100 -4.6052		0.2500	-1.3863
3	INMETCO		0.03 -3.5066		0.01 -4.6052			0.0100 -4.6052		0.0100	-4.6052
4	INMETCO		0.05 -2.9957		0.01 -4.6052			0.0100 -4.6052		0.0100	-4.6052
5	INMETCO		0.03 -3.5066		0.02 -3.9120			0.0100 -4.6052		0.2700	-1.3093
6	INMETCO		0.06 -2.8134		0.03 -3.5066			0.0100 -4.6052		1.6500	0.5008

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Evaluation of TCLP Data Provided By Horsehead and INMETCO (mg/L)
 -- Calculation of TS (Minus Statistical Outliers)

Samples	Waste	Selenium		Silver		Thallium		Vanadium		Zinc	
		Treated	(LN)	Treated	(LN)	Treated	(LN)	Treated	(LN)	Treated	(LN)
7	INMETCO	0.03	-3.5066	0.02	-3.9120			0.0100	-4.6052	0.1400	-1.9661
8	INMETCO	0.09	-2.4079					0.0100	-4.6052	0.4400	-0.8210
9	INMETCO			0.02	-3.9120			0.0100	-4.6052	0.3600	-1.0217
10	INMETCO			0.02	-3.9120			0.0100	-4.6052	0.2900	-1.2379
11	INMETCO			0.02	-3.9120			0.0100	-4.6052	0.1100	-2.2073
12	INMETCO	0.07	-2.6593	0.02	-3.9120			0.0100	-4.6052	0.0500	-2.9957
13	INMETCO	0.09	-2.4079	0.01	-4.6052			0.0100	-4.6052	0.1100	-2.2073
14	INMETCO	0.05	-2.9957	0.02	-3.9120			0.0100	-4.6052	0.0300	-3.5066
15	INMETCO	0.05	-2.9957	0.01	-4.6052			0.0100	-4.6052	0.0700	-2.6593
16	INMETCO	0.01	-4.6052	0.01	-4.6052			0.0100	-4.6052	0.2900	-1.2379
17	INMETCO	0.04	-3.2189	0.02	-3.9120			0.0100	-4.6052	0.0200	-3.9120
18	INMETCO	0.05	-2.9957	0.02	-3.9120			0.0100	-4.6052	0.1600	-1.8326
19	INMETCO	0.02	-3.9120	0.02	-3.9120			0.0100	-4.6052	0.3700	-0.9943
20	INMETCO	0.03	-3.5066	0.02	-3.9120			0.0100	-4.6052	0.2100	-1.5606
21	INMETCO	0.02	-3.9120	0.02	-3.9120			0.0100	-4.6052	0.0100	-4.6052
22	INMETCO			0.01	-4.6052			0.0100	-4.6052	0.0100	-4.6052
23	INMETCO	0.09	-2.4079	0.03	-3.5066			0.0100	-4.6052	0.0100	-4.6052
24	INMETCO	0.09	-2.4079	0.02	-3.9120			0.0100	-4.6052	0.0100	-4.6052
25	INMETCO	0.03	-3.5066	0.03	-3.5066			0.0100	-4.6052	0.3200	-1.1394
26	INMETCO	0.05	-2.9957	0.03	-3.5066			0.0100	-4.6052	0.0700	-2.6593
27	INMETCO	0.03	-3.5066	0.03	-3.5066			0.0100	-4.6052	0.2900	-1.2379
28	INMETCO	0.04	-3.2189	0.03	-3.5066			0.0100	-4.6052	0.5500	-0.5978
29	INMETCO	0.08	-2.5257	0.03	-3.5066			0.0100	-4.6052	0.3500	-1.0498
30	INMETCO	0.03	-3.5066	0.04	-3.2189			0.0100	-4.6052	0.2100	-1.5606
31	INMETCO	0.027	-3.6119	0.04	-3.2189			0.0100	-4.6052	0.2500	-1.3863
32	INMETCO	0.009	-4.7105	0.03	-3.5066			0.0100	-4.6052	0.2200	-1.5141
33	INMETCO	0.041	-3.1942	0.03	-3.5066			0.0100	-4.6052	0.3700	-0.9943
34	INMETCO	<	0.01 -4.6052	0.03	-3.5066			0.0100	-4.6052	0.3600	-1.0217
35	INMETCO	<	0.01 -4.6052	0.03	-3.5066			0.0100	-4.6052	0.1700	-1.7720
36	INMETCO	<	0.01 -4.6052	0.04	-3.2189			0.0100	-4.6052	0.6000	-0.5108
37	INMETCO	<	0.01 -4.6052	0.02	-3.9120			0.0100	-4.6052	0.0400	-3.2189
38	INMETCO	<	0.01 -4.6052	0.03	-3.5066					1.3500	0.3001
39	INMETCO	<	0.01 -4.6052	0.03	-3.5066			0.0100	-4.6052	0.2700	-1.3093
40	INMETCO	<	0.01 -4.6052	0.03	-3.5066			0.0100	-4.6052	0.6500	-0.4308
41	INMETCO	0.09	-2.4079	0.07	-2.6593						
42	INMETCO	<	0.01 -4.6052	0.03	-3.5066						
43	INMETCO	<	0.01 -4.6052	0.05	-2.9957						
44	INMETCO	0.04	-3.2189	0.08	-2.5257						
45	INMETCO	0.09	-2.4079	0.06	-2.8134						
46	INMETCO	0.05	-2.9957	0.06	-2.8134						
47	INMETCO	0.05	-2.9957	0.01	-4.6052						
48	INMETCO	0.06	-2.8134								
49	INMETCO	<	0.01 -4.6052	0.04	-3.2189						
50	INMETCO	<	0.01 -4.6052								
51	INMETCO	<	0.01 -4.6052	0.03	-3.5066						
52	INMETCO	<	0.01 -4.6052	0.05	-2.9957						
53	INMETCO			0.01	-4.6052						
54	INMETCO			0.01	-4.6052						
55	INMETCO	0.09	-2.4079	0.01	-4.6052						
56	INMETCO	0.09	-2.4079	0.07	-2.6593						
57	INMETCO	0.08	-2.5257	0.01	-4.6052						
58	INMETCO	0.03	-3.5066	0.01	-4.6052						
59	INMETCO	0.05	-2.9957	0.01	-4.6052						
60	INMETCO	0.06	-2.8134	0.02	-3.9120						
61	INMETCO	0.07	-2.6593	0.01	-4.6052						
62	INMETCO			0.01	-4.6052						
63	INMETCO			0.01	-4.6052						
64	INMETCO	0.07	-2.6593	0.01	-4.6052						
65	INMETCO			0.01	-4.6052						
66	INMETCO			0.01	-4.6052						
67	INMETCO			0.03	-3.5066						
68	INMETCO			0.07	-2.6593						
69	INMETCO	0.06	-2.8134	0.05	-2.9957						
70	INMETCO	<	0.01 -4.6052	0.01	-4.6052						
71	INMETCO	<	0.01 -4.6052	0.05	-2.9957						
72	INMETCO	<	0.01 -4.6052								
73	INMETCO	0.03	-3.5066								
74	INMETCO	0.07	-2.6593	0.05	-2.9957						
75	INMETCO	0.08	-2.5257								
76	INMETCO	0.05	-2.9957	0.04	-3.2189						
77	INMETCO	0.09	-2.4079	0.02	-3.9120						
78	INMETCO	0.01	-4.6052	0.04	-3.2189						
79	INMETCO	0.01	-4.6052	0.07	-2.6593						
80	INMETCO	<	0.01 -4.6052								
81	INMETCO	<	0.01 -4.6052	0.07	-2.6593						
82	INMETCO	<	0.01 -4.6052	0.02	-3.9120						
83	INMETCO	<	0.01 -4.6052	0.06	-2.8134						
84	INMETCO	<	0.01 -4.6052	0.03	-3.5066						
85	INMETCO	<	0.01 -4.6052	0.07	-2.6593						

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Evaluation of TCLP Data Provided By Horsehead and INMETCO (mg/L)
 -- Calculation of TS (Minus Statistical Outliers)

Samples	Waste	Selenium		Silver		Thallium		Vanadium		Zinc	
		Treated	(LN)	Treated	(LN)	Treated	(LN)	Treated	(LN)	Treated	(LN)
86	INMETCO	<	0.01 -4.6052	0.03	-3.5066						
87	INMETCO		0.05 -2.9957	0.01	-4.6052						
88	INMETCO		0.04 -3.2189	0.02	-3.9120						
89	INMETCO		0.06 -2.8134	0.01	-4.6052						
90	INMETCO		0.06 -2.8134	0.01	-4.6052						
91	INMETCO		0.06 -2.8134	0.05	-2.9957						
92	INMETCO		0.05 -2.9957	0.02	-3.9120						
93	INMETCO		0.04 -3.2189	0.05	-2.9957						
94	INMETCO		0.05 -2.9957	0.02	-3.9120						
95	INMETCO		0.04 -3.2189	0.03	-3.5066						
96	INMETCO		0.05 -2.9957	0.01	-4.6052						
97	INMETCO		0.02 -3.9120	0.01	-4.6052						
98	INMETCO		0.02 -3.9120	0.01	-4.6052						
99	INMETCO		0.05 -2.9957	0.01	-4.6052						
100	INMETCO		0.07 -2.6593	0.01	-4.6052						
101	INMETCO		0.06 -2.8134	0.01	-4.6052						
102	INMETCO		0.05 -2.9957	0.01	-4.6052						
103	INMETCO		0.01 -4.6052	0.01	-4.6052						
104	INMETCO	<	0.01 -4.6052	0.01	-4.6052						
105	INMETCO	<	0.01 -4.6052	0.01	-4.6052						
106	INMETCO		0.02 -3.9120	0.04	-3.2189						
107	INMETCO		0.08 -2.5257	0.07	-2.6593						
108	INMETCO		0.05 -2.9957	0.06	-2.8134						
109	INMETCO		0.08 -2.5257	0.01	-4.6052						
110	INMETCO		0.06 -2.8134								
111	INMETCO		0.08 -2.5257	0.07	-2.6593						
112	INMETCO		0.02 -3.9120	0.01	-4.6052						
113	INMETCO		0.01 -4.6052	0.07	-2.6593						
114	INMETCO		0.05 -2.9957								
115	INMETCO		0.07 -2.6593								
116	INMETCO		0.07 -2.6593								
117	INMETCO		0.06 -2.8134								
118	INMETCO		0.06 -2.8134								
119	INMETCO		0.01 -4.6052								
120	INMETCO		0.01 -4.6052								
121	INMETCO		0.09 -2.4079								
122	INMETCO		0.07 -2.6593								
	# of Obs:	262	262	253	253	152	152	39	39	185	185
	# of NDs:	170		107		151		0		40	
	Minimum:	0.0090	-4.7105	0.0100	-4.6052	0.0300	-3.5066	0.0100	-4.6052	0.0100	-4.6052
	Mean:	0.0294	-3.7183	0.0191	-4.1909	0.0300	-3.5066	0.0100	-4.6052	0.2001	-2.5137
	Maximum:	0.0900	-2.4079	0.0800	-2.5257	0.0300	-3.5066	0.0100	-4.6052	2.0100	0.6981
	Std:	0.0210	0.5868	0.0160	0.6139	0.0000	0.0000	0.0000	0.0000	0.2925	1.4984
	VF:	3.24		3.32		2.80		2.80		13.28	
	TS:	0.095		0.063		0.084		0.028		2.7	

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